

TELEFAX TRANSMITTAL SHEET**DATE: May 1, 2001****NO. OF PAGES: 5 (five)
(INCLUDING COVER SHEET)****TO:****COMPANY/DEPT.:****FAX NO.:****R. Zeman****AU#1645****703.308.4242****FROM:****COMPANY/DEPT.:****FAX NO.:****William M. Blackstone****PATENT DEPARTMENT
ROCKVILLE, MARYLAND****(301) 948-9751****PHONE NO.:****(301) 948-7400****SUBJECT/REFERENCE:****HOFMANN ET AL., USSN 09/403,092****FAX RECEIVED****CONFIDENTIAL****MAY 01 2001****REMARKS:****GROUP 1600****PLS. ACCEPT THE FOLLOWING FOR THE ABOVE-IDENTIFIED MATTER:**

- REQUEST FOR RECORDNG & COVER SHEET UNDER 37 CFR 3.28
AND 3.31 (pgs. 4)**

THANK YOU.

WARNING: THE INFORMATION CONTAINED IN THIS FACSIMILE MESSAGE IS ATTORNEY PRIVILEGED AND CONFIDENTIAL INFORMATION INTENDED ONLY FOR USE OF THE INDIVIDUAL OR ENTITY NAMED ABOVE. IF THE READER OF THIS MESSAGE IS NOT THE INTENDED RECIPIENT, YOU ARE HEREBY NOTIFIED THAT ANY DISSEMINATION, DISTRIBUTION OR COPYING OF THIS COMMUNICATION IS WRONGFUL AND MAY SUBJECT YOU TO CIVIL LIABILITY. IF YOU HAVE RECEIVED THIS COMMUNICATION IN ERROR, PLEASE IMMEDIATELY NOTIFY US BY TELEPHONE AT: (301) 948-7400, AND RETURN THE ORIGINAL MESSAGE TO US AT: 1300 PICCARD DRIVE, SUITE 206, ROCKVILLE, MARYLAND 20850 VIA THE U.S. POSTAL SERVICE. THANK YOU.

TO THE HONORABLE COMMISSIONER
OF PATENTS AND TRADEMARKS
WASHINGTON DC 20231

REQUEST FOR RECORDING AND COVER SHEET UNDER 37 CFR 3.28 AND 3.31
Please record the attached original document or copy thereof.

1. Name of party conveying the interest:
Hoechst Aktiengesellschaft,
A German Corporation
2. Name and address of party receiving the interest:
Akzo Nobel N.V.
Velperweg 76
6824 BM Arnhem
The Netherlands
3. Nature of conveyance:
[X] Assignment [] Change of Name [] Other **MAY 01 2001**
Execution Date: November 1, 2000 **GROUP 1600**
4. Patent Application Number: 09/403,092
Patent Number: To be assigned.
[] Document filed together with a patent application executed on _____
5. Address correspondence concerning this Request to:
William M. Blackstone, Akzo Nobel N.V.
1300 Piccard Drive, Suite 206, Rockville, MD 20850.
6. Total number of applications or patents involved:
1 @ \$40.00 = \$40.00
7. Total fee under 37 CFR 3.41: \$ 40.00
8. Please charge the total fee under 37 CFR 3.41 (\$40.00) to our Deposit Account No. 02-2334. In the event any fees are required with this paper, please charge our Deposit Account No. 02-2334.
9. To the best of knowledge and belief of the undersigned, the foregoing information is true and correct and any attached copy is a true copy of the original document.
10. Date: 5/1/01 Signature: William M. Blackstone
Name: William M. Blackstone
Registration Number: 29,772

Total number of pages including cover sheet, attachments and document 4

ASSIGNMENT OF APPLICATIONS FOR UNITED STATES LETTERS PATENT

WHEREAS, HOECHST AKTIENGESELLSCHAFT, a corporation organized under the laws of Germany and located at D-65926 Frankfurt am Main, Germany, hereinafter referred to as the ASSIGNOR, is the owner of the entire right, title and interest of United States Patent Application number 09/403,092, filed October 15, 1999, entitled DICTYOCALUS VIVIPATUS ANTIGEN FOR DIAGNOSING LUNGWORM INFESTATION AND FOR VACCINATION;

AND WHEREAS AKZO NOBEL N.V., a corporation of the Netherlands, having a place of business at Velperweg 76, 6800 LS Arnhem, The Netherlands, hereinafter referred to as the ASSIGNEE, is desirous of acquiring the entire right, title and interest, in and to said application, including any and all divisions, continuations, and continuations-in-part thereof, and in and to the invention and any and all patents which may be granted therefor in the United States and throughout the world, including any and all renewals, reissues, extensions and prolongations thereof;

NOW THIS WITNESSETH, that for and in consideration of One Dollar (\$1.00) and other good and valuable consideration paid by said ASSIGNEE to said ASSIGNOR, the receipt of which is hereby acknowledged, said ASSIGNOR hereby assigns, sells and transfers to said ASSIGNEE, and said ASSIGNEE'S successors and assigns, the entire and exclusive right, title and interest in and to said application, including any and all divisions, continuations, and continuations-in-part thereof, and in and to said invention and any and all patents that may be granted therefor, including any and all renewals, reissues, extensions and prolongations thereof; said ASSIGNEE, and said ASSIGNEE'S successors and assigns, to have, hold, exercise and enjoy the said application, including any and all divisions, continuations, and continuations-in-part thereof, and the said invention and any and all patents which may be granted therefor, including any and all renewals, reissues, extensions and prolongations thereof, with all the rights, powers, privileges and advantages in any way arising from or appertaining thereto, for and during the term or terms of any and all such patents when granted, including any and all renewals, reissues, extensions and prolongations thereof, for the use and benefit of said ASSIGNEE, and said ASSIGNEE'S successors and assigns, in as ample and beneficial a manner as the said ASSIGNOR might or could have held and enjoyed the same, if this assignment had not been made.

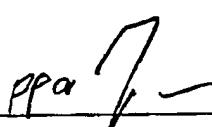
AND said ASSIGNOR hereby agrees to perform upon the request of said ASSIGNEE, or said ASSIGNEE'S successors or assigns, any and all acts relating to the obtaining or to the asserting of said patents, including any and all renewals, reissues, extensions and prolongations thereof.

AND said ASSIGNOR authorizes and requests the Commissioner of Patents and Trademarks to issue Letters Patent on said application, and on any and all divisions, continuations, and continuation-in-part thereof, to said ASSIGNEE and said ASSIGNEE'S successors and assigns, in accordance herewith.

ASSIGNOR agrees to promptly, upon request and without further compensation, but with all out-of-pocket costs or expenses to be reimbursed by ASSIGNEE, do all lawful acts including the execution of all necessary documents, and the giving of testimony that in the opinion of the said ASSIGNEE, its successors and assigns, may be necessary or desirable for obtaining, sustaining, reissuing, renewing and enforcing United States Letters Patent and foreign Letters Patent for said invention, and for perfecting, affirming, recording, and maintaining the title of said ASSIGNEE, its successors and assigns thereto, and to generally cooperate with said ASSIGNEE to the fullest extent in all matters pertaining to said invention and patents, and said ASSIGNEE'S title thereto.

The undersigned is empowered to sign this document on behalf of ASSIGNOR. A Statement under 37 CFR 3.73(b) is attached.

ASSIGNOR(S):

Signature: ppa  I.V. 

Date: 1.11.2000 1.11.2000

Name: Dr. M. Jacobson Dr. E. Wein

Title: _____

OWNERSHIP AND ASSIGNMENT

324

PTO/SB/96 (5-98)

Approved for use through 09/30/2000, OMB 0651-0031
Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

STATEMENT UNDER 37 CFR 3.73(b)Applicant/Patent Owner: HOECHST AKTIENGESELLSCHAFT (AG)Application No./Patent No.: 09/403,092 Filed/Issue Date: October 15, 1999Entitled: DICTYOCaulus VIVIPARUS ANTIGEN FOR DIAGNOSING AND FOR
VACCINATIONHOECHST AG, a corporation,

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

- the assignee of the entire right, title, and interest; or
- an assignee of an undivided part interest

In the patent application/patent identified above by virtue of either:

A. An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the Patent and Trademark Office at Reel 10441 Frame 381, or for which a copy thereof is attached.

OR

B. A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: _____ To: _____
The document was recorded in the Patent and Trademark Office at
Reel _____ Frame _____ or for which a copy thereof is attached.
2. From: _____ To: _____
The document was recorded in the Patent and Trademark Office at
Reel _____ Frame _____ or for which a copy thereof is attached.
3. From: _____ To: _____
The document was recorded in the Patent and Trademark Office at
Reel _____ Frame _____ or for which a copy thereof is attached.

 Additional documents in the chain of title are listed on a supplemental sheet. Copies of assignments or other documents in the chain of title are attached.

[NOTE] A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the PTO. See MPEP 302-302.8

The undersigned (whose title is supplied below) is empowered to sign this statement on behalf of the assignee.

18. 8. 2000

Date

ppa J. W. Miller

Signature

Dr. M. Jaccobi Dr. E. Wein

Typed or printed name

Vice President Director

Title

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.